

# ATRV-Jr



## Sturdy. Smart. Capable.

This husky little brother of iRobot's popular ATRV offers many of the features and advantages of the larger robot, including four-wheel drive, differential steering, pneumatic knobby tires, weather-resistant enclosure and plenty of well-placed sensors.

Smaller, lighter and nimbler, though, the ATRV-Jr specializes in applications that require efficient operation both indoors and outdoors. And, following the ATRV's lead, ATRV-Jr helps your get the most out of your research time and dollars by taking full advantage of iRobot's rFLEX™ and Mobility™ packages. Fully integrated accessories let you enhance the ATRV-Jr's impressive basic suite of abilities with powerful additional communications, vision, sensing and navigation gear.

### Specifications

Sonar:	17 (5 front, 10 side, 2 rear)
CPU:	Pentium based system
Batteries	Lead Acid, 720W-hr total
Run Time:	3 to 5 hours terrain dependent
Charge Time:	4 hours (w/system off)
Translate Speed:	1m/s (3.3'/s)
Rotate Speed:	120°/s
Approach Angle:	45°
Decent Angle:	45°
Motor:	2 high torque, 24V DC servo
Drive:	4-wheel differential
Payload:	25 kg (55.1 lbs)
Height:	55 cm (21.6")
Length:	77.5 cm (30.5")
Weight:	50 kg (110 lbs)
Color:	Research Robot Red or special
Warranty:	2 years parts and labor

### Accessories

- Computer Upgrades
- Memory Upgrades
- Additional Computer
- Wireless Communications
- 1 to 3Mbps Radio Ethernet
- Vision Systems
- High Performace Stereo Vision System
- PTZ Vision System
- Vision Components
- Navigation Sensors
- SICK LMS Laser Scanner
- Electronic Compass
- Absolute Orientation Sensor
- Inertial Navigation Sensor
- GPS/DGPS
- Speech Interfaces
- ASCII to Speech RS-232 Box
- Replacement Battery Pack

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**iRobot™**  
Research Robots Division

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